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(54) Title: NOVEL QUINUCLIDINE DERIVATIVES AND THEIR PHARMACEUTICAL USE

(57) Abstract: This invention relates to novel quinuclidine derivatives represented by Formula (II) wherein represents an optional double bond; n is 1, 2 or 3; X represents a linker selected from -O-, -O-CH₂-, -O-CH₂-CH₂-, -S-, -SO-, -SO₂-, -CH₂-, -S-CH₂-CH₂-, -CH₂-, -C(=CH₂)-, -NH-, -N(alkyl)-, -C(=O)-, -C(=S)-, oo, and ss; and Y represents O, S, SO₂, or NR' wherein R' represents hydrogen or alkyl and their use as pharmaceuticals. Due to their pharmacological profile the compounds of the invention may be useful for the treatment of diseases or disorders as diverse as those related to the cholinergic system of the central nervous system (CNS), the peripheral nervous system (PNS), diseases or disorders related to smooth muscle contraction, endocrine diseases or disorders, diseases or disorders related to neuro-degeneration, diseases or disorders related to inflammation, pain, and withdrawal symptoms caused by the termination of abuse of chemical substances.

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*

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